Correction Elements that Influence the Capacity

Pressure Drop in High-Pressure Side Liquid Pipe
Pressure drop on high-pressure side deteriorates refrigerating capacity.Pressure drop generated between the condenser and the expansion valve leads to the generation of flush gas, and deteriorates the capacity of the expansion valve. In general, therefore, it is necessary to consider supercooling at about 1 to 3℃.

Pressure Drop Correction Factor of Pipes on Low-Pressure Side
Pressure drop in the distributor and the evaporator cause the imbalance in temperature and deterioration of capacity, and increases the static superheat at the internal equalizer type expansion valve. The correction factors shown here are for cases in which Pressure drop changes occur in the distributor and evaporator.

R134a

	Pressure Drop (MPa)										
Evaporating Temp. (℃)	0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.987	0.973	0.960	0.946	0.932	0.917	0.903	0.888	0.873	0.858
-50	1.000	0.987	0.973	0.959	0.945	0.931	0.916	0.901	0.886	0.871	0.856
-40	1.000	0.986	0.972	0.958	0.944	0.929	0.914	0.899	0.884	0.868	0.852
-30	1.000	0.986	0.971	0.956	0.941	0.926	0.911	0.895	0.879	0.863	0.846
-20	1.000	0.985	0.969	0.954	0.938	0.922	0.905	0.888	0.871	0.854	0.836
-10	1.000	0.983	0.967	0.950	0.932	0.914	0.896	0.878	0.859	0.840	0.820
-5	1.000	0.982	0.965	0.946	0.928	0.909	0.890	0.870	0.850	0.829	0.808
0	1.000	0.981	0.962	0.942	0.922	0.902	0.881	0.860	0.838	0.815	0.792
5	1.000	0.979	0.958	0.937	0.915	0.892	0.869	0.845	0.821	0.796	0.770
10	1.000	0.977	0.953	0.929	0.904	0.879	0.852	0.825	0.797	0.768	0.738

R404A

	Pressure Drop (MPa)										
Evaporating Temp. (℃)	0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.993	0.985	0.978	0.970	0.962	0.955	0.947	0.939	0.931	0.923
-50	1.000	0.992	0.985	0.977	0.969	0.962	0.954	0.946	0.938	0.930	0.922
-40	1.000	0.992	0.984	0.976	0.968	0.960	0.952	0.944	0.936	0.928	0.919
-30	1.000	0.992	0.984	0.975	0.967	0.959	0.950	0.942	0.933	0.924	0.915
-20	1.000	0.991	0.983	0.974	0.965	0.956	0.947	0.937	0.928	0.919	0.909
-10	1.000	0.990	0.981	0.971	0.961	0.951	0.941	0.931	0.921	0.910	0.900
-5	1.000	0.990	0.980	0.969	0.959	0.948	0.937	0.926	0.915	0.904	0.893
0	1.000	0.989	0.978	0.967	0.955	0.944	0.932	0.920	0.908	0.896	0.884
5	1.000	0.988	0.976	0.963	0.951	0.938	0.925	0.912	0.899	0.885	0.872
10	1.000	0.986	0.973	0.959	0.945	0.930	0.916	0.901	0.886	0.870	0.855

R407C

	Pressure Drop (MPa)										
Evaporating Temp. (℃)	0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.992	0.985	0.977	0.969	0.961	0.953	0.945	0.937	0.929	0.921
-50	1.000	0.992	0.984	0.977	0.969	0.961	0.952	0.944	0.936	0.928	0.919
-40	1.000	0.992	0.984	0.976	0.968	0.960	0.951	0.943	0.935	0.926	0.917
-30	1.000	0.992	0.983	0.975	0.967	0.958	0.950	0.941	0.932	0.923	0.914
-20	1.000	0.991	0.983	0.974	0.965	0.956	0.947	0.938	0.929	0.919	0.910
-10	1.000	0.991	0.981	0.972	0.962	0.952	0.943	0.933	0.923	0.913	0.902
-5	1.000	0.990	0.980	0.970	0.960	0.950	0.940	0.929	0.919	0.908	0.897
0	1.000	0.990	0.979	0.968	0.958	0.947	0.936	0.925	0.913	0.902	0.890
5	1.000	0.989	0.977	0.966	0.954	0.942	0.931	0.918	0.906	0.894	0.881
10	1.000	0.988	0.975	0.963	0.950	0.937	0.924	0.910	0.897	0.883	0.869

R410A

	Pressure Drop (MPa)										
Evaporating Temp. (℃)	0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.994	0.989	0.983	0.977	0.972	0.966	0.960	0.954	0.949	0.943
-50	1.000	0.994	0.989	0.983	0.977	0.971	0.965	0.959	0.953	0.948	0.942
-40	1.000	0.994	0.988	0.982	0.976	0.970	0.964	0.958	0.952	0.946	0.940
-30	1.000	0.994	0.988	0.981	0.975	0.969	0.963	0.956	0.950	0.943	0.937
-20	1.000	0.993	0.987	0.980	0.973	0.967	0.960	0.953	0.946	0.939	0.932
-10	1.000	0.993	0.986	0.978	0.971	0.963	0.956	0.948	0.941	0.933	0.925
-5	1.000	0.992	0.985	0.977	0.969	0.961	0.953	0.945	0.937	0.929	0.920
0	1.000	0.992	0.983	0.975	0.966	0.958	0.949	0.940	0.932	0.923	0.914
5	1.000	0.991	0.982	0.972	0.963	0.954	0.944	0.934	0.925	0.915	0.905
10	1.000	0.990	0.979	0.969	0.958	0.948	0.937	0.926	0.915	0.904	0.892

R448A

	Pressure Drop (MPa)										
Evaporating Temp. (℃)	0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.993	0.986	0.978	0.971	0.964	0.956	0.949	0.941	0.934	0.926
-50	1.000	0.993	0.985	0.978	0.971	0.963	0.956	0.948	0.941	0.933	0.925
-40	1.000	0.993	0.985	0.978	0.970	0.962	0.955	0.947	0.939	0.931	0.923
-30	1.000	0.992	0.985	0.977	0.969	0.961	0.953	0.945	0.937	0.928	0.920
-20	1.000	0.992	0.984	0.975	0.967	0.959	0.950	0.942	0.933	0.924	0.916
-10	1.000	0.991	0.982	0.973	0.964	0.955	0.946	0.937	0.927	0.918	0.908
-5	1.000	0.991	0.981	0.972	0.962	0.953	0.943	0.933	0.923	0.913	0.903
0	1.000	0.990	0.980	0.970	0.960	0.950	0.939	0.929	0.918	0.908	0.897
5	1.000	0.989	0.979	0.968	0.957	0.946	0.934	0.923	0.911	0.900	0.888
10	1.000	0.988	0.976	0.965	0.952	0.940	0.928	0.915	0.902	0.889	0.876

R449A

	Pressure Drop (MPa)										
Evaporating Temp. (℃)	0	0.025	0.05	0.075	0.1	0.125	0.15	0.175	0.2	0.225	0.25
-60	1.000	0.993	0.986	0.978	0.971	0.963	0.956	0.948	0.941	0.933	0.925
-50	1.000	0.993	0.985	0.978	0.970	0.963	0.955	0.948	0.940	0.932	0.924
-40	1.000	0.992	0.985	0.977	0.970	0.962	0.954	0.946	0.938	0.930	0.922
-30	1.000	0.992	0.984	0.976	0.969	0.960	0.952	0.944	0.936	0.928	0.919
-20	1.000	0.992	0.984	0.975	0.967	0.958	0.950	0.941	0.932	0.923	0.915
-10	1.000	0.991	0.982	0.973	0.964	0.955	0.945	0.936	0.927	0.917	0.907
-5	1.000	0.991	0.981	0.972	0.962	0.952	0.942	0.933	0.922	0.912	0.902
0	1.000	0.990	0.980	0.970	0.960	0.949	0.939	0.928	0.917	0.906	0.895
5	1.000	0.989	0.978	0.967	0.956	0.945	0.934	0.922	0.910	0.899	0.887
10	1.000	0.988	0.976	0.964	0.952	0.939	0.927	0.914	0.901	0.888	0.875

Correction Factor for Supercooling

Correction factors shown here indicate changes in capacity depending on the degree of supercooling caused by low-stage side high-pressure solution refrigerantin the two-stage compression-type refrigerating device, and heat exchange attachment device, etc. For devices with a significant degree of supercooling, the figure shown in the capacity table multiplied by the correction factor shown in the table below is the capacity of the expansion valve.

R134a

	Sub-cooling ⊿T							
Condensing Temp (℃)	0	10	20	30	40	50	60	70
0	1.00	1.10	1.20	1.30	-	-	-	-
10	1.00	1.11	1.22	1.33	1.45	-	-	-
20	1.00	1.12	1.25	1.37	1.50	1.62	-	-
30	1.00	1.14	1.28	1.42	1.56	1.70	1.85	-
38	1.00	1.15	1.31	1.47	1.63	1.79	1.95	2.11
40	1.00	1.16	1.32	1.48	1.65	1.81	1.98	2.14
50	1.00	1.19	1.38	1.57	1.76	1.96	2.15	2.35
60	1.00	1.23	1.46	1.70	1.93	2.17	2.41	2.65

R404A

	Sub-cooling ⊿T							
Condensing Temp (℃)	0	10	20	30	40	50	60	70
0	1.00	1.13	1.26	1.39	-	-	-	-
10	1.00	1.15	1.29	1.44	1.59	-	-	-
20	1.00	1.17	1.34	1.51	1.69	1.86	-	-
30	1.00	1.20	1.41	1.62	1.82	2.03	2.24	-
38	1.00	1.24	1.49	1.73	1.98	2.23	2.48	2.73
40	1.00	1.26	1.51	1.77	2.03	2.29	2.55	2.82
50	1.00	1.35	1.70	2.04	2.39	2.74	3.09	3.45
60	1.00	1.56	2.11	2.65	3.19	3.74	4.28	4.84

R407C

	Sub-cooling ⊿T							
Condensing Temp (℃)	0	10	20	30	40	50	60	70
0	1.00	1.10	1.21	1.31	-	-	-	-
10	1.00	1.11	1.23	1.34	1.46	-	-	-
20	1.00	1.13	1.26	1.38	1.51	1.65	-	-
30	1.00	1.15	1.29	1.44	1.59	1.73	1.88	-
38	1.00	1.16	1.33	1.49	1.66	1.83	2.00	2.17
40	1.00	1.17	1.34	1.51	1.68	1.86	2.03	2.21
50	1.00	1.21	1.41	1.62	1.82	2.03	2.24	2.45
60	1.00	1.26	1.53	1.79	2.05	2.31	2.57	2.83

R410A

	Sub-cooling ⊿T							
Condensing Temp (℃)	0	10	20	30	40	50	60	70
0	1.00	1.11	1.21	1.32	-	-	-	-
10	1.00	1.12	1.24	1.36	1.48	-	-	-
20	1.00	1.14	1.27	1.41	1.54	1.68	-	-
30	1.00	1.16	1.32	1.47	1.63	1.79	1.94	-
38	1.00	1.18	1.36	1.54	1.72	1.90	2.08	2.27
40	1.00	1.19	1.38	1.57	1.75	1.94	2.13	2.32
50	1.00	1.25	1.48	1.72	1.95	2.18	2.42	2.65
60	1.00	1.36	1.70	2.02	2.34	2.66	2.98	3.29

R448A

	Sub-cooling ⊿T							
Condensing Temp (℃)	0	10	20	30	40	50	60	70
0	1.00	1.09	1.18	1.27	-	-	-	-
10	1.00	1.10	1.20	1.30	1.40	-	-	-
20	1.00	1.12	1.23	1.34	1.46	1.57	-	-
30	1.00	1.13	1.27	1.40	1.52	1.65	1.78	-
38	1.00	1.15	1.30	1.45	1.60	1.74	1.88	2.03
40	1.00	1.16	1.32	1.47	1.62	1.77	1.91	2.06
50	1.00	1.20	1.39	1.57	1.76	1.94	2.12	2.29
60	1.00	1.26	1.51	1.75	1.99	2.22	2.45	2.67

R449A

	Sub-cooling ⊿T							
Condensing Temp (℃)	0	10	20	30	40	50	60	70
0	1.00	1.09	1.18	1.28	-	-	-	-
10	1.00	1.10	1.21	1.31	1.41	-	-	-
20	1.00	1.12	1.23	1.35	1.46	1.57	-	-
30	1.00	1.14	1.27	1.40	1.53	1.66	1.79	-
38	1.00	1.16	1.31	1.46	1.60	1.75	1.89	2.04
40	1.00	1.16	1.32	1.47	1.63	1.78	1.93	2.07
50	1.00	1.20	1.39	1.58	1.77	1.95	2.13	2.31
60	1.00	1.27	1.52	1.77	2.01	2.25	2.48	2.71

HEX Capacity table

R134a
<-30～10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	50	60
HEX-	2333BM	10	0.22 {0.77}	0.29 {1.02}	0.33 {1.16}	0.36 {1.27}	0.36 {1.27}
		5	0.26 {0.91}	0.31 {1.09}	0.34 {1.20}	0.36 {1.27}	0.36 {1.27}
		0	0.28 {0.98}	0.33 {1.16}	0.35 {1.23}	0.37 {1.30}	0.36 {1.27}
		-5	0.30 {1.06}	0.34 {1.20}	0.36 {1.27}	0.37 {1.30}	0.36 {1.27}
		-10	0.32 {1.13}	0.35 {1.23}	0.37 {1.30}	0.37 {1.30}	0.36 {1.27}
		-20	0.34 {1.20}	0.36 {1.27}	0.37 {1.30}	0.37 {1.30}	0.35 {1.23}
		-30	0.35 {1.23}	0.37 {1.30}	0.38 {1.34}	0.37 {1.30}	0.35 {1.23}
	2335BM 2345BM	10	0.44 {1.55}	0.59 {2.07}	0.66 {2.32}	0.71 {2.50}	0.71 {2.50}
		5	0.51 {1.79}	0.63 {2.22}	0.69 {2.43}	0.72 {2.53}	0.72 {2.53}
		0	0.56 {1.97}	0.66 {2.32}	0.71 {2.50}	0.73 {2.57}	0.72 {2.53}
		-5	0.60 {2.11}	0.68 {2.39}	0.72 {2.53}	0.74 {2.60}	0.71 {2.50}
		-10	0.63 {2.22}	0.70 {2.46}	0.73 {2.57}	0.74 {2.60}	0.71 {2.50}
		-20	0.67 {2.36}	0.72 {2.53}	0.74 {2.60}	0.74 {2.60}	0.70 {2.46}
		-30	0.70 {2.46}	0.74 {2.60}	0.75 {2.64}	0.74 {2.60}	0.70 {2.46}
	2348BM	10	0.69 {2.43}	0.90 {3.17}	1.01 {3.55}	1.09 {3.83}	1.09 {3.83}
		5	0.78 {2.74}	0.96 {3.38}	1.05 {3.69}	1.12 {3.94}	1.09 {3.83}
		0	0.86 {3.02}	1.01 {3.55}	1.08 {3.80}	1.12 {3.94}	1.09 {3.83}
		-5	0.92 {3.24}	1.04 {3.66}	1.10 {3.87}	1.13 {3.97}	1.09 {3.83}
		-10	0.97 {3.41}	1.07 {3.76}	1.12 {3.94}	1.13 {3.97}	1.09 {3.83}
		-20	1.03 {3.62}	1.10 {3.87}	1.13 {3.97}	1.13 {3.97}	1.07 {3.76}
		-30	1.07 {3.76}	1.13 {3.97}	1.15 {4.04}	1.13 {3.97}	1.07 {3.76}
	2341BM	10	0.91 {3.20}	1.22 {4.29}	1.37 {4.82}	1.49 {5.24}	1.48 {5.21}
		5	1.06 {3.73}	1.31 {4.61}	1.43 {5.03}	1.51 {5.31}	1.49 {5.24}
		0	1.18 {4.15}	1.37 {4.82}	1.47 {5.17}	1.53 {5.38}	1.49 {5.24}
		-5	1.26 {4.43}	1.42 {4.99}	1.50 {5.28}	1.54 {5.42}	1.49 {5.24}
		-10	1.32 {4.64}	1.46 {5.13}	1.52 {5.35}	1.54 {5.42}	1.48 {5.21}
		-20	1.40 {4.92}	1.50 {5.28}	1.55 {5.45}	1.54 {5.42}	1.46 {5.13}
		-30	1.46 {5.13}	1.54 {5.42}	1.57 {5.52}	1.55 {5.45}	1.46 {5.13}
	2342BM	10	1.57 {5.52}	2.12 {7.46}	2.38 {8.37}	2.57 {9.04}	2.57 {9.04}
		5	1.85 {6.51}	2.27 {7.98}	2.48 {8.72}	2.62 {9.21}	2.59 {9.11}
		0	2.04 {7.17}	2.38 {8.37}	2.55 {8.97}	2.65 {9.32}	2.59 {9.11}
		-5	2.18 {7.67}	2.46 {8.65}	2.60 {9.14}	2.66 {9.35}	2.58 {9.07}
		-10	2.29 {8.05}	2.53 {8.90}	2.64 {9.28}	2.67 {9.39}	2.57 {9.04}
		-20	2.43 {8.55}	2.61 {9.18}	2.68 {9.43}	2.67 {9.39}	2.54 {8.93}
		-30	2.53 {8.90}	2.67 {9.39}	2.72 {9.57}	2.68 {9.43}	2.53 {8.90}
	2344BM 3454BM 4564BM	10	2.66 {9.35}	3.58 {12.6}	3.98 {14.0}	4.35 {15.3}	4.35 {15.3}
		5	3.13 {11.0}	3.84 {13.5}	4.18 {14.7}	4.44 {15.6}	4.38 {15.4}
		0	3.44 {12.1}	4.04 {14.2}	4.32 {15.2}	4.49 {15.8}	4.38 {15.4}
		-5	3.70 {13.0}	4.18 {14.7}	4.41 {15.5}	4.49 {15.8}	4.38 {15.4}
		-10	3.87 {13.6}	4.29 {15.1}	4.46 {15.7}	4.52 {15.9}	4.35 {15.3}
		-20	4.12 {14.5}	4.41 {15.5}	4.55 {16.0}	4.52 {15.9}	4.29 {15.1}
		-30	4.29 {15.1}	4.52 {15.9}	4.61 {16.2}	4.55 {16.0}	4.29 {15.1}
	4566BM	10	4.35 {15.3}	5.86 {20.6}	6.60 {23.2}	7.14 {25.1}	7.14 {25.1}
		5	5.12 {18.0}	6.29 {22.1}	6.85 {24.1}	7.25 {25.5}	7.17 {25.2}
		0	5.66 {19.9}	6.60 {23.2}	7.05 {24.8}	7.34 {25.8}	7.17 {25.2}
		-5	6.03 {21.2}	6.83 {24.0}	7.20 {25.3}	7.37 {25.9}	7.17 {25.2}
		-10	6.34 {22.3}	7.00 {24.6}	7.31 {25.7}	7.39 {26.0}	7.11 {25.0}
		-20	6.74 {23.7}	7.22 {25.4}	7.42 {26.1}	7.39 {26.0}	7.05 {24.8}
		-30	7.02 {24.7}	7.39 {26.0}	7.54 {26.5}	7.42 {26.1}	7.00 {24.6}
	4568BM	10	5.80 {20.4}	7.82 {27.5}	8.79 {30.9}	9.53 {33.5}	9.53 {33.5}
		5	6.83 {24.0}	8.39 {29.5}	9.16 {32.2}	9.67 {34.0}	9.56 {33.6}
		0	7.54 {26.5}	8.79 {30.9}	9.41 {33.1}	9.78 {34.4}	9.56 {33.6}
		-5	8.05 {28.3}	9.10 {32.0}	9.58 {33.7}	9.84 {34.6}	9.53 {33.5}
		-10	8.45 {29.7}	9.33 {32.8}	9.75 {34.3}	9.87 {34.7}	9.50 {33.4}
		-20	8.99 {31.6}	9.64 {33.9}	9.93 {34.9}	9.87 {34.7}	9.38 {33.0}
		-30	9.33 {32.8}	9.87 {34.7}	10.10 {35.5}	9.90 {34.8}	9.33 {32.8}
	2006EX	10	14.0 {49.1}	18.8 {66.1}	21.1 {74.3}	22.8 {80.3}	22.8 {80.3}
		5	16.4 {57.6}	20.1 {70.8}	22.0 {77.3}	23.2 {81.7}	23.0 {80.7}
		0	18.1 {63.6}	21.1 {74.3}	22.6 {79.5}	23.5 {82.6}	23.0 {80.7}
		-5	19.4 {68.1}	21.9 {76.9}	23.1 {81.1}	23.6 {83.1}	22.9 {80.5}
		-10	20.3 {71.4}	22.4 {78.8}	23.4 {82.3}	23.7 {83.3}	22.8 {80.2}
		-20	21.6 {75.9}	23.2 {81.4}	23.8 {83.7}	23.7 {83.4}	22.6 {79.3}
		-30	22.4 {78.9}	23.7 {83.3}	24.0 {84.5}	-	-

R134a

<-30～10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	50	60
HEX-	3010EX	10	21.8 {76.8}	29.3 {103}	33.0 {116}	35.8 {126}	35.8 {126}
		5	25.6 {90.0}	31.6 {111}	34.4 {121}	36.4 {128}	35.8 {126}
		0	28.3 {99.4}	33.0 {116}	35.3 {124}	36.7 {129}	35.8 {126}
		-5	30.2 {106}	34.1 {120}	36.1 {127}	37.0 {130}	35.8 {126}
		-10	31.9 {112}	35.0 {123}	36.7 {129}	37.0 {130}	35.6 {125}
		-20	33.8 {119}	36.1 {127}	37.3 {131}	37.0 {130}	35.3 {124}
		-30	35.0 {123}	37.0 {130}	37.5 {132}	-	-
	5012EX	10	33.0 {116}	44.1 {155}	49.8 {175}	53.8 {189}	53.8 {189}
		5	38.4 {135}	47.2 {166}	51.8 {182}	54.6 {192}	54.0 {190}
		0	42.7 {150}	49.8 {175}	53.2 {187}	55.2 {194}	54.0 {190}
		-5	45.5 {160}	51.5 {181}	54.3 {191}	55.5 {195}	53.8 {189}
		-10	47.8 {168}	52.6 {185}	55.2 {194}	55.7 {196}	53.8 {189}
		-20	50.9 {179}	54.6 {192}	56.0 {197}	55.7 {196}	52.9 {186}
		-30	52.9 {186}	55.7 {196}	56.6 {199}	-	-
	7514EX	10	50.1 {176}	67.1 {236}	75.7 {266}	81.6 {287}	81.6 {287}
		5	58.6 {206}	72.0 {253}	78.5 {276}	83.0 {292}	82.2 {289}
		0	64.8 {228}	75.7 {266}	80.8 {284}	83.9 {295}	82.2 {289}
		-5	69.4 {244}	78.2 {275}	82.5 {290}	84.5 {297}	81.9 {288}
		-10	72.5 {255}	80.2 {282}	83.6 {294}	84.8 {298}	81.6 {287}
		-20	77.4 {272}	82.8 {291}	85.0 {299}	84.8 {298}	80.8 {284}
		-30	80.2 {282}	84.8 {298}	85.9 {302}	-	-
	10020EX	10	72.0 {253}	96.7 {340}	109 {383}	118 {414}	118 {414}
		5	84.5 {297}	104 {365}	113 {398}	120 {421}	118 {416}
		0	93.3 {328}	109 {383}	117 {410}	121 {426}	118 {416}
		-5	99.8 {351}	113 {396}	119 {418}	122 {428}	118 {415}
		-10	105 {368}	115 {406}	121 {424}	122 {429}	117 {413}
		-20	111 {391}	119 {420}	123 {432}	122 {430}	116 {409}
		-30	116 {407}	122 {430}	124 {436}	-	-

R404A
Standard＜-40～10℃＞

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	50	60
HEX-	2333BU	10	0.24 {0.83}	0.30 {1.05}	0.32 {1.11}	0.29 {1.03}	0.23 {0.81}
		5	0.28 {0.98}	0.32 {1.13}	0.33 {1.15}	0.30 {1.04}	0.23 {0.80}
		0	0.31 {1.08}	0.34 {1.18}	0.34 {1.18}	0.30 {1.04}	0.22 {0.79}
		-5	0.33 {1.15}	0.35 {1.22}	0.34 {1.20}	0.30 {1.04}	0.22 {0.78}
		-10	0.34 {1.21}	0.36 {1.25}	0.34 {1.21}	0.29 {1.03}	0.21 {0.75}
		-20	0.36 {1.28}	0.36 {1.27}	0.34 {1.21}	0.28 {1.00}	0.20 {0.70}
		-30	0.37 {1.30}	0.36 {1.27}	0.34 {1.19}	0.27 {0.96}	0.18 {0.65}
		-40	0.37 {1.31}	0.36 {1.26}	0.33 {1.17}	0.26 {0.91}	0.16 {0.58}
	2335BU 2345BU	10	0.47 {1.66}	0.60 {2.10}	0.63 {2.21}	0.58 {2.05}	0.46 {1.61}
		5	0.55 {1.95}	0.64 {2.25}	0.65 {2.29}	0.59 {2.07}	0.46 {1.60}
		0	0.61 {2.15}	0.67 {2.36}	0.67 {2.35}	0.59 {2.08}	0.45 {1.58}
		-5	0.65 {2.30}	0.69 {2.43}	0.68 {2.39}	0.59 {2.07}	0.44 {1.54}
		-10	0.69 {2.41}	0.71 {2.48}	0.69 {2.41}	0.58 {2.05}	0.43 {1.50}
		-20	0.72 {2.54}	0.72 {2.53}	0.69 {2.41}	0.57 {1.99}	0.40 {1.40}
		-30	0.74 {2.60}	0.72 {2.53}	0.67 {2.37}	0.54 {1.91}	0.37 {1.29}
		-40	0.75 {2.62}	0.71 {2.51}	0.66 {2.32}	0.52 {1.82}	0.33 {1.16}
	2348BU	10	0.73 {2.56}	0.92 {3.24}	0.97 {3.41}	0.90 {3.16}	0.71 {2.49}
		5	0.85 {3.00}	0.99 {3.47}	1.01 {3.54}	0.91 {3.20}	0.70 {2.47}
		0	0.94 {3.32}	1.04 {3.64}	1.03 {3.63}	0.91 {3.21}	0.69 {2.43}
		-5	1.01 {3.55}	1.07 {3.76}	1.05 {3.69}	0.91 {3.20}	0.68 {2.38}
		-10	1.06 {3.72}	1.09 {3.84}	1.06 {3.72}	0.90 {3.17}	0.66 {2.32}
		-20	1.11 {3.92}	1.11 {3.91}	1.06 {3.71}	0.87 {3.07}	0.61 {2.16}
		-30	1.14 {4.01}	1.11 {3.91}	1.04 {3.66}	0.84 {2.94}	0.57 {1.99}
		-40	1.15 {4.04}	1.10 {3.88}	1.02 {3.58}	0.80 {2.81}	0.51 {1.80}
	2341BU	10	0.97 {3.41}	1.23 {4.32}	1.29 {4.55}	1.20 {4.22}	0.94 {3.32}
		5	1.14 {4.00}	1.32 {4.63}	1.34 {4.72}	1.21 {4.26}	0.94 {3.30}
		0	1.26 {4.43}	1.38 {4.86}	1.38 {4.84}	1.22 {4.28}	0.92 {3.25}
		-5	1.35 {4.73}	1.42 {5.01}	1.40 {4.92}	1.21 {4.26}	0.90 {3.18}
		-10	1.41 {4.96}	1.45 {5.11}	1.41 {4.96}	1.20 {4.23}	0.88 {3.09}
		-20	1.49 {5.23}	1.48 {5.21}	1.41 {4.95}	1.16 {4.09}	0.82 {2.88}
		-30	1.52 {5.35}	1.48 {5.22}	1.39 {4.88}	1.12 {3.93}	0.75 {2.65}
		-40	1.53 {5.39}	1.47 {5.18}	1.36 {4.78}	1.06 {3.74}	0.68 {2.40}
	2342BU	10	1.73 {6.10}	2.20 {7.72}	2.31 {8.12}	2.14 {7.54}	1.69 {5.94}
		5	2.03 {7.15}	2.35 {8.26}	2.40 {8.44}	2.17 {7.62}	1.68 {5.89}
		0	2.25 {7.91}	2.46 {8.66}	2.46 {8.65}	2.17 {7.64}	1.65 {5.80}
		-5	2.41 {8.46}	2.55 {8.95}	2.50 {8.79}	2.17 {7.62}	1.62 {5.68}
		-10	2.52 {8.86}	2.60 {9.14}	2.52 {8.86}	2.15 {7.55}	1.57 {5.53}
		-20	2.66 {9.34}	2.65 {9.31}	2.52 {8.85}	2.08 {7.31}	1.46 {5.15}
		-30	2.72 {9.55}	2.65 {9.32}	2.48 {8.72}	2.00 {7.02}	1.35 {4.74}
		-40	2.74 {9.63}	2.63 {9.25}	2.43 {8.54}	1.90 {6.69}	1.22 {4.28}
	2344BU 3454BU 4564BU	10	2.93 {10.3}	3.70 {13.0}	3.90 {13.7}	3.61 {12.7}	2.84 {10.0}
		5	3.41 {12.0}	3.95 {13.9}	4.04 {14.2}	3.64 {12.8}	2.82 {9.91}
		0	3.78 {13.3}	4.15 {14.6}	4.15 {14.6}	3.67 {12.9}	2.78 {9.76}
		-5	4.04 {14.2}	4.29 {15.1}	4.21 {14.8}	3.64 {12.8}	2.72 {9.56}
		-10	4.24 {14.9}	4.38 {15.4}	4.24 {14.9}	3.61 {12.7}	2.65 {9.31}
		-20	4.46 {15.7}	4.46 {15.7}	4.24 {14.9}	3.50 {12.3}	2.47 {8.68}
		-30	4.58 {16.1}	4.46 {15.7}	4.18 {14.7}	3.36 {11.8}	2.27 {7.97}
		-40	4.61 {16.2}	4.44 {15.6}	4.10 {14.4}	3.21 {11.3}	2.05 {7.21}
	4566BU	10	4.15 {14.6}	5.26 {18.5}	5.55 {19.5}	5.15 {18.1}	4.07 {14.3}
		5	4.89 {17.2}	5.63 {19.8}	5.77 {20.3}	5.20 {18.3}	4.01 {14.1}
		0	5.40 {19.0}	5.92 {20.8}	5.92 {20.8}	5.20 {18.3}	3.95 {13.9}
		-5	5.77 {20.3}	6.11 {21.5}	6.00 {21.1}	5.20 {18.3}	3.87 {13.6}
		-10	6.06 {21.3}	6.23 {21.9}	6.06 {21.3}	5.15 {18.1}	3.78 {13.3}
		-20	6.37 {22.4}	6.37 {22.4}	6.03 {21.2}	5.01 {17.6}	3.53 {12.4}
		-30	6.51 {22.9}	6.37 {22.4}	5.94 {20.9}	4.78 {16.8}	3.24 {11.4}
		-40	6.57 {23.1}	6.31 {22.2}	5.83 {20.5}	4.58 {16.1}	2.93 {10.3}
	4568BU	10	5.83 {20.5}	7.37 {25.9}	7.76 {27.3}	7.20 {25.3}	5.66 {19.9}
		5	6.83 {24.0}	7.88 {27.7}	8.05 {28.3}	7.28 {25.6}	5.63 {19.8}
		0	7.54 {26.5}	8.28 {29.1}	8.25 {29.0}	7.28 {25.6}	5.55 {19.5}
		-5	8.08 {28.4}	8.53 {30.0}	8.39 {29.5}	7.28 {25.6}	5.43 {19.1}
		-10	8.45 {29.7}	8.73 {30.7}	8.45 {29.7}	7.20 {25.3}	5.29 {18.6}
		-20	8.90 {31.3}	8.87 {31.2}	8.45 {29.7}	6.97 {24.5}	4.92 {17.3}
		-30	9.13 {32.1}	8.90 {31.3}	8.33 {29.3}	6.68 {23.5}	4.52 {15.9}
		-40	9.19 {32.3}	8.82 {31.0}	8.16 {28.7}	6.37 {22.4}	4.10 {14.4}

R404A

Z Type<-70～10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	50	60
HEX-	2333BU	10	0.24 {0.83}	0.30 {1.05}	0.32 {1.11}	0.29 {1.03}	0.23 {0.81}
		5	0.28 {0.98}	0.32 {1.13}	0.33 {1.15}	0.30 {1.04}	0.23 {0.80}
		0	0.31 {1.08}	0.34 {1.18}	0.34 {1.18}	0.30 {1.04}	0.22 {0.79}
		-5	0.33 {1.15}	0.35 {1.22}	0.34 {1.20}	0.30 {1.04}	0.22 {0.78}
		-10	0.34 {1.21}	0.36 {1.25}	0.34 {1.21}	0.29 {1.03}	0.21 {0.75}
		-20	0.36 {1.28}	0.36 {1.27}	0.34 {1.21}	0.28 {1.00}	0.20 {0.70}
		-30	0.37 {1.30}	0.36 {1.27}	0.34 {1.19}	0.27 {0.96}	0.18 {0.65}
		-40	0.37 {1.31}	0.36 {1.26}	0.33 {1.17}	0.26 {0.91}	0.16 {0.58}
		-50	0.38 {1.33}	0.36 {1.26}	0.33 {1.15}	0.25 {0.88}	0.15 {0.53}
		-60	0.39 {1.36}	0.36 {1.28}	0.33 {1.16}	0.24 {0.86}	0.13 {0.47}
		-70	0.42 {1.46}	0.39 {1.37}	0.35 {1.24}	0.25 {0.89}	0.12 {0.42}
	2335BU 2345BU	10	0.47 {1.66}	0.60 {2.10}	0.63 {2.21}	0.58 {2.05}	0.46 {1.61}
		5	0.55 {1.95}	0.64 {2.25}	0.65 {2.29}	0.59 {2.07}	0.46 {1.60}
		0	0.61 {2.15}	0.67 {2.36}	0.67 {2.35}	0.59 {2.08}	0.45 {1.58}
		-5	0.65 {2.30}	0.69 {2.43}	0.68 {2.39}	0.59 {2.07}	0.44 {1.54}
		-10	0.69 {2.41}	0.71 {2.48}	0.69 {2.41}	0.58 {2.05}	0.43 {1.50}
		-20	0.72 {2.54}	0.72 {2.53}	0.69 {2.41}	0.57 {1.99}	0.40 {1.40}
		-30	0.74 {2.60}	0.72 {2.53}	0.67 {2.37}	0.54 {1.91}	0.37 {1.29}
		-40	0.75 {2.62}	0.71 {2.51}	0.66 {2.32}	0.52 {1.82}	0.33 {1.16}
		-50	0.75 {2.64}	0.71 {2.51}	0.65 {2.29}	0.50 {1.75}	0.30 {1.05}
		-60	0.77 {2.71}	0.73 {2.55}	0.66 {2.31}	0.49 {1.71}	0.27 {0.94}
		-70	0.82 {2.90}	0.78 {2.73}	0.70 {2.46}	0.50 {1.76}	0.24 {0.84}
	2348BU	10	0.73 {2.56}	0.92 {3.24}	0.97 {3.41}	0.90 {3.16}	0.71 {2.49}
		5	0.85 {3.00}	0.99 {3.47}	1.01 {3.54}	0.91 {3.20}	0.70 {2.47}
		0	0.94 {3.32}	1.04 {3.64}	1.03 {3.63}	0.91 {3.21}	0.69 {2.43}
		-5	1.01 {3.55}	1.07 {3.76}	1.05 {3.69}	0.91 {3.20}	0.68 {2.38}
		-10	1.06 {3.72}	1.09 {3.84}	1.06 {3.72}	0.90 {3.17}	0.66 {2.32}
		-20	1.11 {3.92}	1.11 {3.91}	1.06 {3.71}	0.87 {3.07}	0.61 {2.16}
		-30	1.14 {4.01}	1.11 {3.91}	1.04 {3.66}	0.84 {2.94}	0.57 {1.99}
		-40	1.15 {4.04}	1.10 {3.88}	1.02 {3.58}	0.80 {2.81}	0.51 {1.80}
		-50	1.16 {4.07}	1.10 {3.87}	1.01 {3.54}	0.77 {2.69}	0.46 {1.61}
		-60	1.19 {4.18}	1.12 {3.94}	1.02 {3.57}	0.75 {2.64}	0.41 {1.45}
		-70	1.19 {4.19}	1.20 {4.22}	1.08 {3.80}	0.77 {2.72}	0.37 {1.30}
	2341BU	10	0.97 {3.41}	1.23 {4.32}	1.29 {4.55}	1.20 {4.22}	0.94 {3.32}
		5	1.14 {4.00}	1.32 {4.63}	1.34 {4.72}	1.21 {4.26}	0.94 {3.30}
		0	1.26 {4.43}	1.38 {4.86}	1.38 {4.84}	1.22 {4.28}	0.92 {3.25}
		-5	1.35 {4.73}	1.42 {5.01}	1.40 {4.92}	1.21 {4.26}	0.90 {3.18}
		-10	1.41 {4.96}	1.45 {5.11}	1.41 {4.96}	1.20 {4.23}	0.88 {3.09}
		-20	1.49 {5.23}	1.48 {5.21}	1.41 {4.95}	1.16 {4.09}	0.82 {2.88}
		-30	1.52 {5.35}	1.48 {5.22}	1.39 {4.88}	1.12 {3.93}	0.75 {2.65}
		-40	1.53 {5.39}	1.47 {5.18}	1.36 {4.78}	1.06 {3.74}	0.68 {2.40}
		-50	1.54 {5.43}	1.47 {5.16}	1.34 {4.72}	1.02 {3.59}	0.61 {2.15}
		-60	1.58 {5.57}	1.49 {5.25}	1.35 {4.76}	1.00 {3.52}	0.55 {1.93}
		-70	1.70 {5.98}	1.60 {5.63}	1.44 {5.07}	1.03 {3.63}	0.49 {1.73}
	2342BU	10	1.73 {6.10}	2.20 {7.72}	2.31 {8.12}	2.14 {7.54}	1.69 {5.94}
		5	2.03 {7.15}	2.35 {8.26}	2.40 {8.44}	2.17 {7.62}	1.68 {5.89}
		0	2.25 {7.91}	2.46 {8.66}	2.46 {8.65}	2.17 {7.64}	1.65 {5.80}
		-5	2.41 {8.46}	2.55 {8.95}	2.50 {8.79}	2.17 {7.62}	1.62 {5.68}
		-10	2.52 {8.86}	2.60 {9.14}	2.52 {8.86}	2.15 {7.55}	1.57 {5.53}
		-20	2.66 {9.34}	2.65 {9.31}	2.52 {8.85}	2.08 {7.31}	1.46 {5.15}
		-30	2.72 {9.55}	2.65 {9.32}	2.48 {8.72}	2.00 {7.02}	1.35 {4.74}
		-40	2.74 {9.63}	2.63 {9.25}	2.43 {8.54}	1.90 {6.69}	1.22 {4.28}
		-50	2.76 {9.71}	2.62 {9.22}	2.40 {8.43}	1.83 {6.42}	1.09 {3.85}
		-60	2.83 {9.95}	2.67 {9.39}	2.42 {8.51}	1.79 {6.30}	0.98 {3.45}
		-70	3.04 {10.7}	2.87 {10.1}	2.57 {9.05}	1.84 {6.48}	0.88 {3.09}
	2344BU 3454BU 4564BU	10	2.93 {10.3}	3.70 {13.0}	3.90 {13.7}	3.61 {12.7}	2.84 {10.0}
		5	3.41 {12.0}	3.95 {13.9}	4.04 {14.2}	3.64 {12.8}	2.82 {9.91}
		0	3.78 {13.3}	4.15 {14.6}	4.15 {14.6}	3.67 {12.9}	2.78 {9.76}
		-5	4.04 {14.2}	4.29 {15.1}	4.21 {14.8}	3.64 {12.8}	2.72 {9.56}
		-10	4.24 {14.9}	4.38 {15.4}	4.24 {14.9}	3.61 {12.7}	2.65 {9.31}
		-20	4.46 {15.7}	4.46 {15.7}	4.24 {14.9}	3.50 {12.3}	2.47 {8.68}
		-30	4.58 {16.1}	4.46 {15.7}	4.18 {14.7}	3.36 {11.8}	2.27 {7.97}
		-40	4.61 {16.2}	4.44 {15.6}	4.10 {14.4}	3.21 {11.3}	2.05 {7.21}
		-50	4.64 {16.3}	4.41 {15.5}	4.04 {14.2}	3.07 {10.8}	1.84 {6.48}
		-60	4.78 {16.8}	4.49 {15.8}	4.07 {14.3}	3.01 {10.6}	1.65 {5.81}
		-70	5.12 {18.0}	4.81 {16.9}	4.32 {15.2}	3.10 {10.9}	1.48 {5.21}

R404A

Z Type<-70～10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	50	60
HEX-	4566BU	10	4.15 {14.6}	5.26 {18.5}	5.55 {19.5}	5.15 {18.1}	4.07 {14.3}
		5	4.89 {17.2}	5.63 {19.8}	5.77 {20.3}	5.20 {18.3}	4.01 {14.1}
		0	5.40 {19.0}	5.92 {20.8}	5.92 {20.8}	5.20 {18.3}	3.95 {13.9}
		-5	5.77 {20.3}	6.11 {21.5}	6.00 {21.1}	5.20 {18.3}	3.87 {13.6}
		-10	6.06 {21.3}	6.23 {21.9}	6.06 {21.3}	5.15 {18.1}	3.78 {13.3}
		-20	6.37 {22.4}	6.37 {22.4}	6.03 {21.2}	5.01 {17.6}	3.53 {12.4}
		-30	6.51 {22.9}	6.37 {22.4}	5.94 {20.9}	4.78 {16.8}	3.24 {11.4}
		-40	6.57 {23.1}	6.31 {22.2}	5.83 {20.5}	4.58 {16.1}	2.93 {10.3}
		-50	6.63 {23.3}	6.29 {22.1}	5.74 {20.2}	4.38 {15.4}	2.62 {9.23}
		-60	6.80 {23.9}	6.40 {22.5}	5.80 {20.4}	4.29 {15.1}	2.36 {8.30}
		-70	7.28 {25.6}	6.85 {24.1}	6.17 {21.7}	4.44 {15.6}	2.11 {7.43}
	4568BU	10	5.83 {20.5}	7.37 {25.9}	7.76 {27.3}	7.20 {25.3}	5.66 {19.9}
		5	6.83 {24.0}	7.88 {27.7}	8.05 {28.3}	7.28 {25.6}	5.63 {19.8}
		0	7.54 {26.5}	8.28 {29.1}	8.25 {29.0}	7.28 {25.6}	5.55 {19.5}
		-5	8.08 {28.4}	8.53 {30.0}	8.39 {29.5}	7.28 {25.6}	5.43 {19.1}
		-10	8.45 {29.7}	8.73 {30.7}	8.45 {29.7}	7.20 {25.3}	5.29 {18.6}
		-20	8.90 {31.3}	8.87 {31.2}	8.45 {29.7}	6.97 {24.5}	4.92 {17.3}
		-30	9.13 {32.1}	8.90 {31.3}	8.33 {29.3}	6.68 {23.5}	4.52 {15.9}
		-40	9.19 {32.3}	8.82 {31.0}	8.16 {28.7}	6.37 {22.4}	4.10 {14.4}
		-50	9.27 {32.6}	8.79 {30.9}	8.05 {28.3}	6.11 {21.5}	3.67 {12.9}
		-60	9.50 {33.4}	8.96 {31.5}	8.11 {28.5}	6.00 {21.1}	3.13 {11.0}
		-70	10.2 {35.9}	9.58 {33.7}	8.65 {30.4}	6.20 {21.8}	2.96 {10.4}

R404A

<-30～10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	50	60
HEX-	2006EX	10	13.0 {45.8}	16.5 {58.0}	17.4 {61.1}	16.1 {56.6}	12.7 {44.6}
		5	15.3 {53.8}	17.7 {62.1}	18.0 {63.4}	16.3 {57.3}	12.6 {44.3}
		0	16.9 {59.5}	18.5 {65.1}	18.5 {65.1}	16.3 {57.4}	12.4 {43.6}
		-5	18.1 {63.6}	19.1 {67.2}	18.8 {66.1}	16.3 {57.3}	12.1 {42.7}
		-10	18.9 {66.6}	19.5 {68.7}	18.9 {66.6}	16.1 {56.7}	11.8 {41.6}
		-20	20.0 {70.2}	19.9 {70.0}	18.9 {66.5}	15.6 {55.0}	11.0 {38.7}
		-30	20.4 {71.8}	19.9 {70.0}	18.6 {65.5}	15.0 {52.7}	10.1 {35.6}
	3010EX	10	20.4 {71.7}	25.8 {90.7}	27.2 {95.5}	25.2 {88.6}	19.9 {69.8}
		5	23.9 {84.1}	27.6 {97.1}	28.2 {99.2}	25.5 {89.5}	19.7 {69.2}
		0	26.4 {92.9}	29.0 {102}	29.0 {102}	25.5 {89.8}	19.4 {68.2}
		-5	28.3 {99.4}	29.9 {105}	29.3 {103}	25.5 {89.5}	19.0 {66.7}
		-10	29.6 {104}	30.4 {107}	29.6 {104}	25.2 {88.7}	18.5 {65.0}
		-20	31.3 {110}	31.0 {109}	29.6 {104}	24.5 {86.0}	17.2 {60.6}
		-30	31.9 {112}	31.3 {110}	29.0 {102}	23.4 {82.4}	15.8 {55.7}
	5012EX	10	30.7 {108}	38.7 {136}	41.0 {144}	37.8 {133}	29.9 {105}
		5	35.8 {126}	41.5 {146}	42.4 {149}	38.4 {135}	29.6 {104}
		0	39.8 {140}	43.5 {153}	43.5 {153}	38.4 {135}	29.3 {103}
		-5	42.7 {150}	44.9 {158}	44.1 {155}	38.4 {135}	28.4 {100}
		-10	44.7 {157}	46.1 {162}	44.7 {157}	37.8 {133}	27.8 {97.7}
		-20	46.9 {165}	46.9 {165}	44.4 {156}	36.7 {129}	25.9 {91.1}
		-30	48.1 {169}	46.9 {165}	43.8 {154}	35.3 {124}	23.8 {83.7}
	7514EX	10	46.6 {164}	59.2 {208}	62.0 {218}	57.7 {203}	45.5 {160}
		5	54.6 {192}	63.1 {222}	64.6 {227}	58.3 {205}	44.9 {158}
		0	60.6 {213}	66.3 {233}	66.3 {233}	58.3 {205}	44.4 {156}
		-5	64.6 {227}	68.5 {241}	67.1 {236}	58.3 {205}	43.5 {153}
		-10	67.7 {238}	70.0 {246}	67.7 {238}	57.7 {203}	42.4 {149}
		-20	71.4 {251}	71.1 {250}	67.7 {238}	56.0 {197}	39.5 {139}
		-30	73.1 {257}	71.4 {251}	66.6 {234}	53.8 {189}	36.1 {127}
	10020EX	10	67.1 {236}	85.0 {299}	89.6 {315}	83.0 {292}	65.4 {230}
		5	78.8 {277}	91.0 {320}	93.0 {327}	83.9 {295}	64.8 {228}
		0	87.0 {306}	95.6 {336}	95.3 {335}	84.2 {296}	64.0 {225}
		-5	93.3 {328}	98.7 {347}	97.0 {341}	83.9 {295}	62.6 {220}
		-10	97.6 {343}	101 {354}	97.6 {343}	83.3 {293}	60.9 {214}
		-20	103 {362}	103 {361}	97.6 {343}	80.5 {283}	56.9 {200}
		-30	105 {370}	103 {361}	96.1 {338}	77.4 {272}	52.3 {184}

R407C
<-40～10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	50	60
HEX-	2333BP	10	0.33 {1.15}	0.43 {1.50}	0.47 {1.64}	0.48 {1.69}	0.47 {1.65}
		5	0.38 {1.33}	0.46 {1.60}	0.49 {1.71}	0.50 {1.76}	0.47 {1.64}
		0	0.42 {1.47}	0.49 {1.71}	0.51 {1.78}	0.51 {1.78}	0.47 {1.67}
		-5	0.45 {1.59}	0.49 {1.73}	0.51 {1.81}	0.50 {1.77}	0.47 {1.66}
		-10	0.48 {1.69}	0.51 {1.80}	0.52 {1.83}	0.51 {1.80}	0.48 {1.68}
		-20	0.51 {1.79}	0.53 {1.86}	0.54 {1.89}	0.52 {1.82}	0.47 {1.66}
		-30	0.53 {1.86}	0.55 {1.93}	0.54 {1.89}	0.52 {1.84}	0.48 {1.68}
		-40	0.55 {1.94}	0.56 {1.97}	0.55 {1.93}	0.53 {1.87}	0.48 {1.70}
	2335BP 2345BP	10	0.61 {2.14}	0.81 {2.84}	0.89 {3.12}	0.92 {3.25}	0.89 {3.14}
		5	0.71 {2.51}	0.87 {3.05}	0.92 {3.25}	0.94 {3.31}	0.90 {3.16}
		0	0.80 {2.80}	0.91 {3.19}	0.95 {3.35}	0.96 {3.36}	0.90 {3.17}
		-5	0.86 {3.02}	0.95 {3.33}	0.98 {3.44}	0.97 {3.42}	0.91 {3.19}
		-10	0.91 {3.20}	0.98 {3.43}	1.00 {3.50}	0.98 {3.43}	0.90 {3.18}
		-20	0.97 {3.40}	1.01 {3.55}	1.02 {3.59}	0.98 {3.44}	0.90 {3.15}
		-30	1.01 {3.54}	1.04 {3.65}	1.04 {3.64}	1.00 {3.51}	0.91 {3.21}
		-40	1.04 {3.66}	1.06 {3.73}	1.05 {3.68}	1.01 {3.55}	0.92 {3.23}
	2348BP	10	0.90 {3.17}	1.18 {4.15}	1.31 {4.59}	1.36 {4.77}	1.31 {4.59}
		5	1.06 {3.73}	1.27 {4.47}	1.36 {4.79}	1.39 {4.89}	1.32 {4.63}
		0	1.17 {4.13}	1.34 {4.72}	1.41 {4.95}	1.41 {4.97}	1.33 {4.68}
		-5	1.27 {4.46}	1.40 {4.92}	1.44 {5.07}	1.42 {5.01}	1.33 {4.69}
		-10	1.34 {4.71}	1.44 {5.05}	1.47 {5.16}	1.43 {5.03}	1.33 {4.69}
		-20	1.42 {5.01}	1.49 {5.24}	1.50 {5.27}	1.44 {5.06}	1.32 {4.65}
		-30	1.48 {5.22}	1.53 {5.37}	1.52 {5.36}	1.47 {5.17}	1.35 {4.73}
		-40	1.53 {5.37}	1.57 {5.52}	1.55 {5.44}	1.49 {5.23}	1.35 {4.76}
	2341BP	10	1.23 {4.31}	1.60 {5.64}	1.77 {6.23}	1.85 {6.49}	1.78 {6.25}
		5	1.44 {5.06}	1.73 {6.07}	1.85 {6.50}	1.89 {6.64}	1.79 {6.31}
		0	1.60 {5.61}	1.83 {6.42}	1.91 {6.73}	1.91 {6.72}	1.81 {6.35}
		-5	1.72 {6.05}	1.89 {6.66}	1.96 {6.88}	1.93 {6.79}	1.81 {6.35}
		-10	1.81 {6.36}	1.95 {6.85}	1.99 {7.00}	1.94 {6.83}	1.81 {6.35}
		-20	1.93 {6.80}	2.02 {7.10}	2.04 {7.16}	1.96 {6.88}	1.79 {6.28}
		-30	2.01 {7.08}	2.07 {7.29}	2.06 {7.25}	1.99 {7.01}	1.82 {6.41}
		-40	2.08 {7.31}	2.12 {7.45}	2.10 {7.40}	2.02 {7.10}	1.84 {6.46}
	2342BP	10	2.38 {8.36}	3.16 {11.1}	3.44 {12.1}	3.61 {12.7}	3.47 {12.2}
		5	2.80 {9.86}	3.38 {11.9}	3.61 {12.7}	3.67 {12.9}	3.50 {12.3}
		0	3.13 {11.0}	3.58 {12.6}	3.73 {13.1}	3.73 {13.1}	3.53 {12.4}
		-5	3.33 {11.7}	3.67 {12.9}	3.81 {13.4}	3.78 {13.3}	3.53 {12.4}
		-10	3.53 {12.4}	3.81 {13.4}	3.90 {13.7}	3.78 {13.3}	3.53 {12.4}
		-20	3.75 {13.2}	3.95 {13.9}	3.95 {13.9}	3.78 {13.3}	3.50 {12.3}
		-30	3.92 {13.8}	4.04 {14.2}	4.01 {14.1}	3.90 {13.7}	3.55 {12.5}
		-40	4.04 {14.2}	4.15 {14.6}	4.12 {14.5}	3.92 {13.8}	3.58 {12.6}
	2344BP 3454BP 4564BP	10	3.84 {13.5}	5.06 {17.8}	5.60 {19.7}	5.80 {20.4}	5.60 {19.7}
		5	4.55 {16.0}	5.43 {19.1}	5.83 {20.5}	5.94 {20.9}	5.66 {19.9}
		0	5.06 {17.8}	5.74 {20.2}	6.03 {21.2}	6.03 {21.2}	5.69 {20.0}
		-5	5.43 {19.1}	5.97 {21.0}	6.17 {21.7}	6.11 {21.5}	5.69 {20.0}
		-10	5.72 {20.1}	6.17 {21.7}	6.29 {22.1}	6.14 {21.6}	5.69 {20.0}
		-20	6.09 {21.4}	6.37 {22.4}	6.43 {22.6}	6.17 {21.7}	5.66 {19.9}
		-30	6.34 {22.3}	6.54 {23.0}	6.48 {22.8}	6.29 {22.1}	5.74 {20.2}
		-40	6.57 {23.1}	6.68 {23.5}	6.65 {23.4}	6.37 {22.4}	5.80 {20.4}
	4566BP	10	6.17 {21.7}	8.13 {28.6}	8.93 {31.4}	9.33 {32.8}	8.99 {31.6}
		5	7.25 {25.5}	8.73 {30.7}	9.36 {32.9}	9.53 {33.5}	9.07 {31.9}
		0	8.08 {28.4}	9.21 {32.4}	9.64 {33.9}	9.67 {34.0}	9.13 {32.1}
		-5	8.67 {30.5}	9.56 {33.6}	9.90 {34.8}	9.78 {34.4}	9.13 {32.1}
		-10	9.13 {32.1}	9.87 {34.7}	10.1 {35.4}	9.84 {34.6}	9.10 {32.0}
		-20	9.75 {34.3}	10.2 {35.9}	10.3 {36.2}	9.87 {34.7}	9.04 {31.8}
		-30	10.2 {35.7}	10.5 {36.8}	10.4 {36.7}	10.1 {35.4}	9.21 {32.4}
		-40	10.5 {36.9}	10.7 {37.6}	10.7 {37.5}	10.2 {35.9}	9.27 {32.6}
	4568BP	10	8.25 {29.0}	10.9 {38.2}	11.9 {41.8}	12.5 {43.8}	12.0 {42.3}
		5	9.70 {34.1}	11.7 {41.0}	12.5 {43.8}	12.7 {44.7}	12.1 {42.7}
		0	10.8 {38.0}	12.3 {43.4}	12.9 {45.5}	12.9 {45.5}	12.2 {42.8}
		-5	11.6 {40.9}	12.9 {45.2}	13.2 {46.4}	13.0 {45.7}	12.2 {43.0}
		-10	12.2 {43.0}	13.2 {46.5}	13.5 {47.4}	13.1 {46.2}	12.1 {42.7}
		-20	13.0 {45.7}	13.7 {48.0}	13.7 {48.0}	13.1 {46.1}	12.1 {42.6}
		-30	13.6 {47.7}	14.0 {49.3}	13.9 {49.0}	13.5 {47.3}	12.3 {43.3}
		-40	14.0 {49.3}	14.3 {50.4}	14.2 {49.8}	13.6 {47.9}	12.4 {43.6}

R407C

<-30～10℃>

Catalog No.		evaporating temp. (℃)	Capacity (U.S.R.T.) {kW}				
			Condensing temp. (℃)				
Type	Model		20	30	38	50	60
HEX-	2006EX	10	18.6 {65.4}	24.6 {86.5}	26.7 {93.8}	28.7 {101}	27.7 {97.4}
		5	21.9 {77.1}	26.5 {93.2}	28.0 {98.3}	29.3 {103}	28.0 {98.5}
		0	24.4 {85.8}	28.0 {98.4}	29.0 {102}	29.9 {105}	28.2 {99.2}
		-5	26.3 {92.3}	29.0 {102}	29.6 {104}	30.2 {106}	28.4 {100}
		-10	27.7 {97.3}	30.2 {106}	30.2 {106}	30.4 {107}	28.4 {100}
		-20	29.6 {104}	31.3 {110}	31.0 {109}	30.7 {108}	28.2 {99.3}
		-30	31.0 {109}	32.1 {113}	31.6 {111}	30.7 {108}	28.2 {99.1}
	3010EX	10	29.0 {102}	38.4 {135}	41.8 {147}	44.7 {157}	43.2 {152}
		5	34.4 {121}	41.5 {146}	43.8 {154}	45.8 {161}	43.8 {154}
		0	38.1 {134}	43.8 {154}	45.2 {159}	46.6 {164}	44.1 {155}
		-5	41.0 {144}	45.5 {160}	46.4 {163}	47.2 {166}	44.4 {156}
		-10	43.2 {152}	46.9 {165}	47.2 {166}	47.5 {167}	44.4 {156}
		-20	46.4 {163}	48.9 {172}	48.4 {170}	47.8 {168}	44.1 {155}
		-30	48.4 {170}	50.1 {176}	49.2 {173}	48.1 {169}	44.1 {155}
	5012EX	10	43.8 {154}	57.7 {203}	62.9 {221}	67.4 {237}	65.1 {229}
		5	51.5 {181}	62.3 {219}	65.7 {231}	68.8 {242}	66.0 {232}
		0	57.5 {202}	66.0 {232}	68.0 {239}	70.0 {246}	66.3 {233}
		-5	61.7 {217}	68.5 {241}	69.7 {245}	70.8 {249}	66.6 {234}
		-10	65.1 {229}	70.5 {248}	71.1 {250}	71.4 {251}	66.6 {234}
		-20	69.7 {245}	73.4 {258}	72.8 {256}	72.0 {253}	66.6 {234}
		-30	72.8 {256}	75.4 {265}	74.2 {261}	72.5 {255}	66.3 {233}
	7514EX	10	66.6 {234}	87.9 {309}	95.6 {336}	102 {360}	99.0 {348}
		5	78.5 {276}	94.7 {333}	100 {352}	105 {368}	100 {352}
		0	87.3 {307}	100 {352}	104 {364}	107 {375}	101 {355}
		-5	93.9 {330}	104 {366}	106 {373}	108 {379}	101 {356}
		-10	99.0 {348}	107 {377}	108 {380}	109 {382}	102 {357}
		-20	106 {373}	112 {393}	111 {390}	109 {385}	101 {355}
		-30	111 {389}	115 {403}	113 {396}	110 {388}	101 {355}
	10020EX	10	95.8 {337}	127 {446}	138 {484}	148 {519}	143 {502}
		5	113 {398}	137 {481}	144 {507}	151 {531}	144 {508}
		0	126 {442}	144 {507}	149 {524}	154 {540}	146 {512}
		-5	135 {476}	150 {528}	153 {538}	155 {546}	146 {513}
		-10	142 {501}	155 {544}	156 {548}	157 {551}	146 {514}
		-20	153 {537}	161 {566}	160 {561}	158 {555}	146 {512}
		-30	159 {560}	165 {581}	162 {571}	159 {559}	145 {511}